

ABSTRACT

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Turbocharger is an enhancement attached to the Main engine. In a commercial ship, the main engine is a diesel engine that works for ship propulsion. Turbocharger function on the main engine is as an additional air rinse suppliers in the combustion chamber. The working principle of this turbocharger is by utilizing the pressure of the engine exhaust gas to drive turbines contained in turbocharge.

Of the above factors, one of the possible causes is the dirty turbinside blades, this can be caused by the exhaust gases from the engine causing the soot to be attached to the turbine and resulting in a decrease in the turbocharger spin. The exhaust gas from a dirty machine is caused by poor burning quality. Poor combustion can be caused by fuel quality or the condition of the machine itself. While for a good combustion process is influenced by many factors.

Therefore, the optimization of maintenance on turbochargers regularly and systematically is absolutely necessary, and to keep the work of the turbocharger. In order to work the master machine can work optimally for the smooth movement of the ship MV. STB 38 "

Key Word: Turbocharger, Turbin, Maintenance Parts